

Braun

ARCHITECTURAL METALS AND SUPPLIES



"SERVICE IS OUR BEST SALESMAN
..... SINCE 1887"

Specializing in furnishing stock products in Steel, Malleable Iron, Aluminum and Architectural Bronze, including Treillage, Railing Materials, Castings, Bars, Tubing, Mouldings and Ornaments.

All materials are sold to the architectural metal trade for fabrication. No fabrication or erection is done by this Company.

J. G. Braun Company

7540 McCormick Blvd., Skokie, Illinois
Chicago Phone: ROgers Park 1-4600

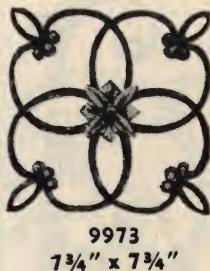
EST. 1887

Direct line Philadelphia to New York:
ENTERPRISE 6268

537 West 35th St., New York 1, N. Y.
Phone: BRyant 9-8528

Treillage and Railing Castings

BRAUN ornamental designs and castings are considered the finest produced. Because of their superior finish, they may be used exactly as supplied in the most discriminating job. Stocks are carried in Skokie and New York for immediate delivery.



9973
7 1/4" x 7 3/4"



9972
16" x 16"



REVERSIBLE
DOUBLE FACED
MALLEABLE
IRON

9971
20" x 7 3/4"
Baroness Design



9968 28" x 8 1/2"
AMERICAN BEAUTY DESIGN
Design Patent # 185,125



9995
14" x 18"



9996
8 1/2" x 8 1/2"

NOTE:
Suggested Framework
for Treillage—
1" x 1" x .073"
(15 Gauge)
Hot Rolled Steel Tubing



9994
21 1/2" x 8 1/2"
Wistaria Design

9997 28" x 8 1/2"
SUNFLOWER DESIGN
Design Patent # 184,707

Measurements Approximate

BRAUN QUALITY TREILLAGE

DOUBLE FACED REVERSIBLE MALLEABLE IRON

All castings shown can also be furnished in
Architectural Bronze or Aluminum on request.

- Original in design
- The finest Quality Ornamental casting made today
- Supplied ready for installation
- No filing, grinding or fitting are 10 $\frac{1}{4}$ " x 13"
- Malleable iron has greater corrosive resistance than gray or cast iron.

9999

9904
23 $\frac{1}{2}$ " x 25"

9948
19 $\frac{1}{8}$ " x 19 $\frac{1}{8}$ "

9905
8 $\frac{1}{2}$ " x 8 $\frac{1}{2}$ "

9949
8 $\frac{1}{2}$ " x 8 $\frac{1}{2}$ "

9957
8 $\frac{1}{4}$ " x 8 $\frac{1}{4}$ "



9903
31 $\frac{1}{4}$ " x 8 $\frac{1}{2}$ "
Grape Design



9947
31 $\frac{3}{4}$ " x 8 $\frac{1}{2}$ "
Acorn Design

9955 32" x 8 $\frac{1}{4}$ "
Rose Design

9980 32" x 8"
Modern Leaf Design
Design Patent # 185,121

J.G. Braun Company

SCALE — 1 $\frac{1}{2}$ " = 1'-0"
Measurements Approximate

Design Patent #D-178,760

J.G. Braun Company

Skokie, Ill.

EST. 1887

New York, N.Y.

9959
32 $\frac{1}{4}$ " x 8 $\frac{1}{2}$ "
Ivy Design

9918
28" x 5 $\frac{1}{2}$ "
Florette Design



9998
32 $\frac{1}{4}$ " x 8 $\frac{1}{2}$ "
Grape Leaf Design



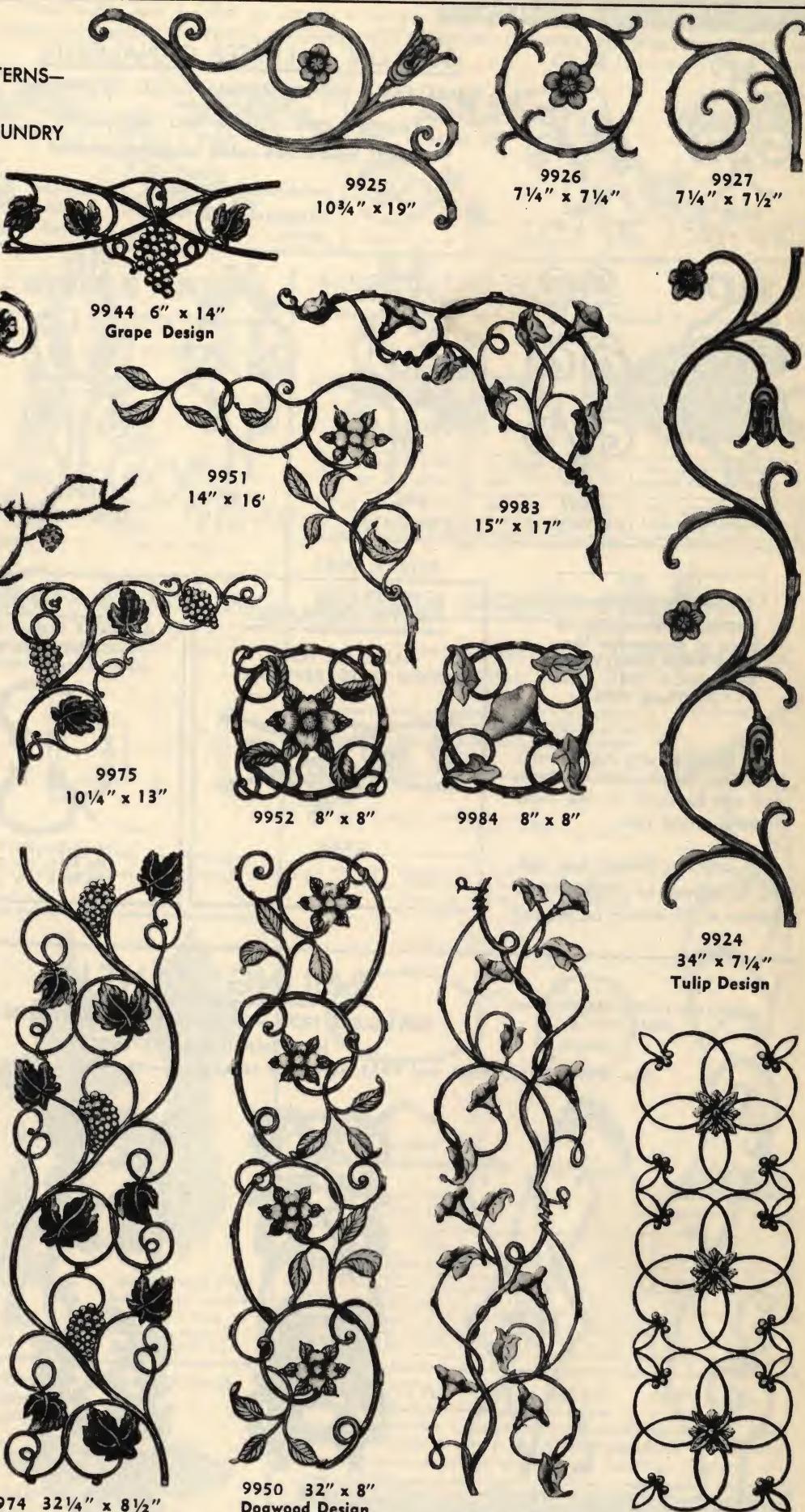
9919
7 $\frac{1}{4}$ " x 7 $\frac{1}{4}$ "



**BRAUN SUPERIOR CASTINGS
ARE THE RESULT OF —**

- HAND CARVED ORIGINAL WOOD PATTERNS—
BY SKILLED CRAFTSMEN
- CAST IN MOST MODERN EQUIPPED FOUNDRY
- PRECISION ALUMINUM PLATE PATTERNS
HAND FINISHED TO THE FINEST DETAIL

NOTE: Suggested Framework for Treillage—
1" x 1" x .073" (15 Gauge) Hot Rolled
Steel Tubing



9937 32" x 9"
Scroll & Leaf Design
Design Patent
#D-174,107

9986 32" x 8"
Spruce Design
Design Patent
#185,123

J.G. Braun Company

Skokie, Ill.

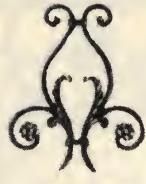
EST. 1887

New York, N.Y.

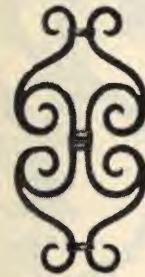
RAILING CASTINGS



9929
10 1/4" x 8 1/2"



9966
10 1/2" x 8 1/2"



9928
16" x 8 3/8"



9967
16 3/4" x 8 1/2"

SLIP ON BALUSTER ORNAMENTS

MALLEABLE IRON — DOUBLE FACED, REVERSIBLE

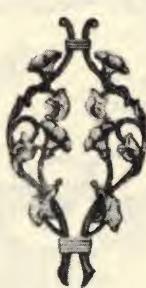
Easy to apply, durable and inexpensive.
for 1/2" square bars unless otherwise specified

Measurements Approximate

SCALE — 1" = 1'-0"



9962
16 3/4" x 8 1/2"



9985
16 3/4" x 8 1/2"



9945
16 3/4" x 8 1/2"



9964
10 1/2" x 8 1/2"



9946

For 1/2" Sq. Bars
18" x 8 1/4"

For 5/8" Sq. Bars
18" x 8 3/8"

SPECIFY 1/2" OR 5/8"
WHEN ORDERING



9965
16 3/4" x 8 1/2"



SECTION showing slip-on
band of Ornaments Nos.
9928, 9929, 9945, 9946,
9962, 9964, 9965, 9966
9967 and 9985

All castings are made from
precision match-plate patterns
and can be used in the most
discriminating job.

All castings shown can also
be furnished in Architectural
Bronze or Aluminum on request

RAILING ORNAMENT

MALLEABLE IRON
DOUBLE FACED, REVERSIBLE

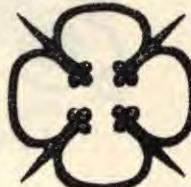


9944

Height 6" Width 14"

QUATREFOILS

MALLEABLE IRON • ALUMINUM
ARCHITECTURAL BRONZE
Specify Material When Ordering



No. 8316 4 1/2" Diam.
No. 8317 4 1/2" Diam.
No. 8318 5 1/2" Diam.



9942 9943
4 7/8" x 3" 8" x 3"
for 1/2" and 5/8" square bars

SPECIFY 1/2" OR 5/8"
WHEN ORDERING



SECTION showing slip-on
band of Ornaments Nos.
9942 and 9943

RAILING PANELS

MALLEABLE IRON — DOUBLE FACED, REVERSIBLE

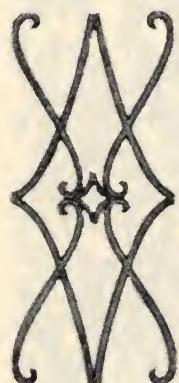
NEW IMPROVED CASTINGS

Nos. 9912, 9913, 9932 and 9933 have been redesigned — the bars now are approximately 1/2" square

Furnished in Aluminum or
Arch. Bronze on Request



9933
33" x 8 1/2"



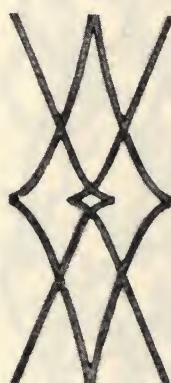
9912
24 1/2" x 10 1/2"



9958
28" x 11"



9963
28" x 11"



9913
24 1/2" x 10 1/2"



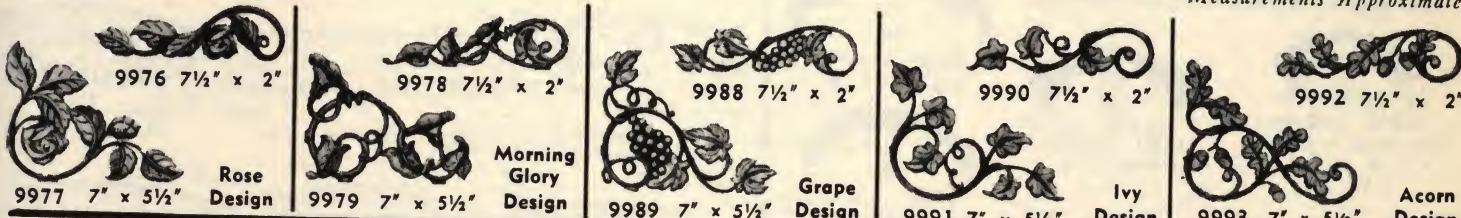
9932
37" x 9 1/2"

J.G. Braun & Company

BRAUN HANDY SCROLLS

ALUMINUM and MALLEABLE IRON
Specify Material When Ordering
DOUBLE FACED, REVERSIBLE

These scrolls may be used for interior or exterior decorations such as: RAILINGS, GRILLS, FURNITURE, SIGNS, FIXTURES, MIRRORS, FOOTSCRAPERS, CORNERS, BORDERS, CRESTINGS, etc. Measurements Approximate



BRAUN HANDY SCROLLS - SINGLE FACED

COPYRIGHTED

SCALE - 1 1/2" - 1' - 0" Measurements Approximate

STAMPED STEEL OR STAMPED ALUMINUM No. 16 GAUGE EITHER METAL
Specify Material When Ordering

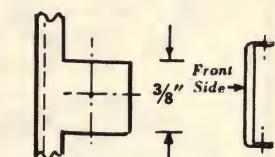
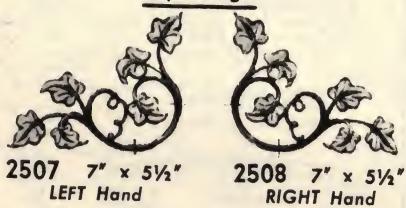
These scrolls may be used for interior or exterior decorations such as:

GRILLS, FURNITURE, SIGNS, MIRRORS, BORDERS, DOORS, CRESTINGS, FIXTURES, CORNERS FOR SCREENS, BOOKCASES, etc., etc.

Rose Design

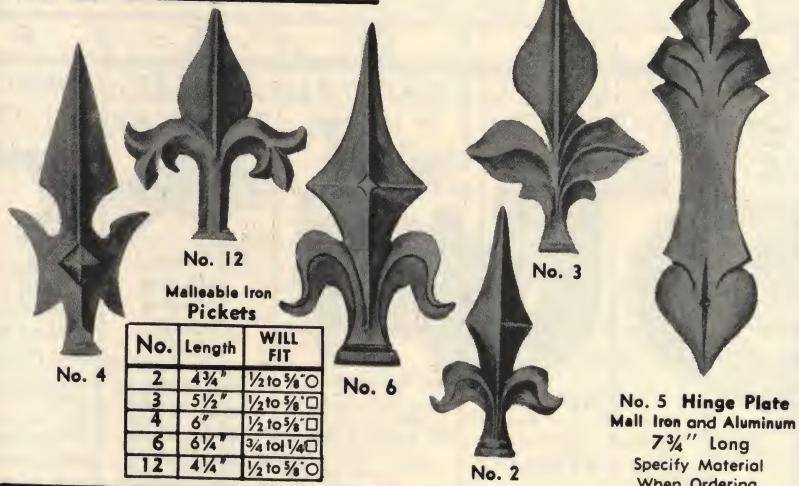


Ivy Design



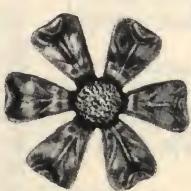
3/8" x 3/8" Tabs for Fastening with Screws or Spot Welding

PICKETS and Hinge Plate



ROSETTES

STOCKED IN: Cast Iron • Aluminum • Architectural Bronze
Specify Material When Ordering



No. 2538 2" Diam.
No. 2537 2 1/2" Diam.
No. 2536 3" Diam.
No. 2535 3 1/2" Diam.

No. 3517 2 1/4" Wide
4 1/2" Long

J. G. Braun Company

Skokie, Ill.

EST. 1887

New York, N. Y.

6e

Bra

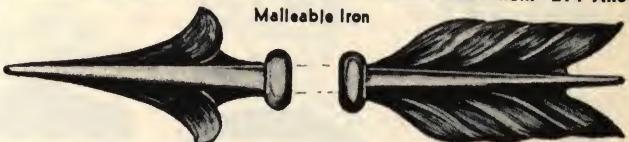
Measurements Approximate

ARROWS AND FEATHERS

Specify Material When Ordering

Polished Arch. Bronze 85 - 3/5 Alloy • Polished Aluminum 214 Alloy

Malleable Iron



FOR ROUND RODS to 1/2" DIAMETER	No. 8800 ARROW Length 4 1/2" Width 2"	No. 8801 FEATHER Length 4 1/2" Width 2"
FOR ROUND RODS to 3/4" DIAMETER	No. 8802 ARROW Length 6" Width 3"	No. 8803 FEATHER Length 6" Width 3"

1800 SERIES

MODERN DESIGN CASTINGS

STOCKED IN

Iron • Aluminum • Architectural Bronze

Specify Material When Ordering

Measurements Approximate

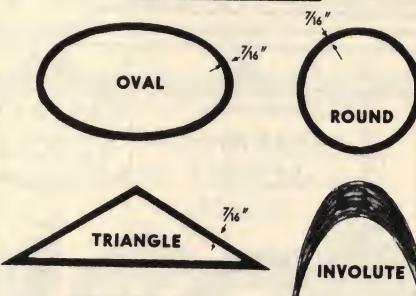
Ornaments are arranged to form a continuous design and welded to frame bars. They can be overlapped to give a three-dimensional effect

Suggested Welding Rods for Welding Cast Iron Ornaments To Tubing — NI No. 55.

NOTE: Suggested Framework for Treillage — 1" x 1" x .073" (15 Gauge) Hot Rolled Steel Tubing

WRITE FOR: Four Page Circular "1800 TRELLAGE DESIGNS," OR: Two Page Circular "1800 RAILING PANEL DESIGNS," OR: Both . . . for the Ultimate in Modern Simplicity of Design.

LARGE - MEDIUM - SMALL



THICKNESS OF ALL ORNAMENTS 7/32"



SUGGESTED DESIGN

TYPE	LARGE SIZE	MEDIUM SIZE	SMALL SIZE
TRIANGLE	1800 - 17" x 4 7/8"	1801-11 1/2" x 3 5/16"	1802-7 1/2" x 2 3/16"
oval	1803 - 12" x 7"	1804 - 9" x 5 1/4"	1805 - 6" x 3 1/2"
ROUND	1806 - 8 1/2" O. D.	1807 - 6" O. D.	1808 - 4" O. D.
INVOLUTE	1809 - 8 1/2" x 8 1/2"	1810 - 6" x 6"	1811 - 4" x 4"

ORNAMENTAL STEEL BARS

16 Ft. Length

In these sections the wood effect is splendidly reproduced. Their uses are manyfold. A few of them are suggested: For Balusters, Columns, Scrollwork, Stems of Branches, Furniture, Fixtures, etc.



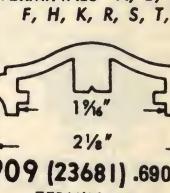
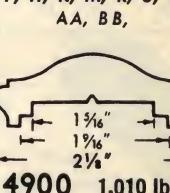
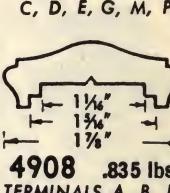
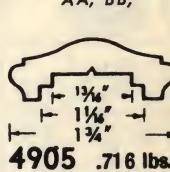
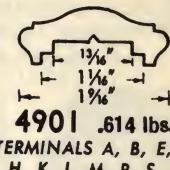
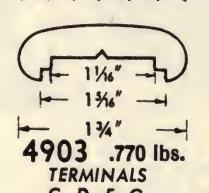
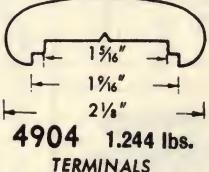
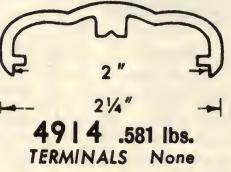
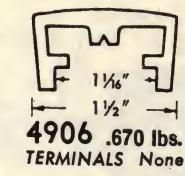
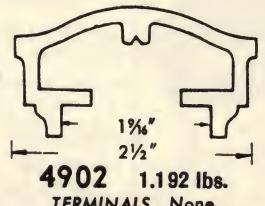
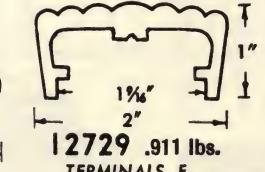
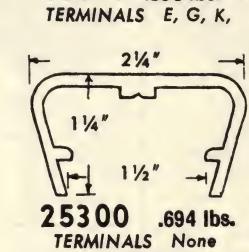
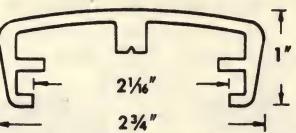
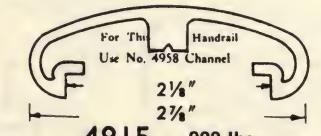
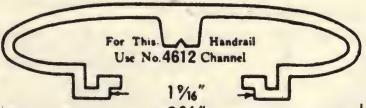
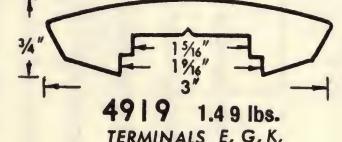
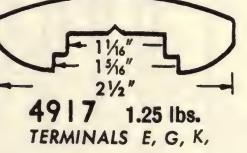
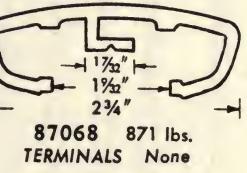
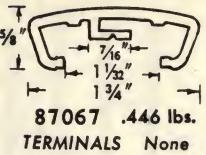
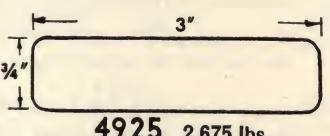
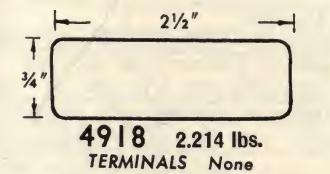
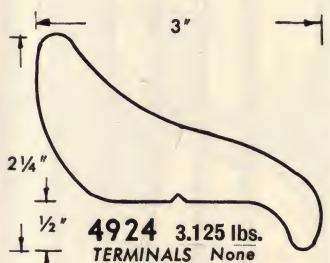
Number	844	845	846	847	1602
Size	5/16"	3/8"	1/2"	5/8"	1"
Weight Per Foot	.31 lbs.	.43 lbs.	.64 lbs.	.95 lbs.	2.64 lbs.

5

ALUMINUM HANDRAILS

Weights and Measurements Approximate SCALE - HALF FULL SIZE

20 Foot Lengths 6063-T5 Alloy and Temper Aluminum Channels in stock to fit all handrails
ALL ALUMINUM SECTIONS SHOWN ARE AVAILABLE IN ARCHITECTURAL ANODIZED FINISHES



ATTENTION ARCHITECTS, DESIGNERS, RAILING SHOPS AND FABRICATORS

NOW READY — FULL SIZE DETAIL SHEETS OF ALL J. G. BRAUN HANDRAIL TERMINALS
FOR TRACING AND LAYOUT WORK. YOUR FREE COPIES WILL BE SENT UPON REQUEST

DETAIL SHEET A - 2 - T FOR ALUMINUM HANDRAIL TERMINALS

DETAIL SHEET B - 2 - T FOR BRONZE HANDRAIL TERMINALS

DETAIL SHEET S - 2 - T FOR STEEL HANDRAIL TERMINALS

G	H	K	L	M	P	R S T
TERMINAL END	LAMBS TONGUE BEVEL	CORNER BEND	END FINIAL BASE	CENTER FINIAL BASE	LAMBS TONGUE STRAIGHT	CAPS
						R END CAP
Malleable Iron For Steel Handrails 1247-1248 1252-1256	Malleable Iron For Steel Handrails 68-1244-1245-1247 1248-1252-1256	Malleable Iron For Steel Handrails 1244-1247 1248-1252 1256	Malleable Iron For Steel Handrails 1247-1248	Malleable Iron For Steel Handrails 1143-1162 1247-1248 1249-1252 1255-1256	Malleable Iron For Steel Handrails 4903-4901-4905	S CENTER CAP
For Alum. Handrails 4903-4904 4905-4915 4917-4919 13010	For Alum. Handrails 4904-4901-4904 4908-4909-4915	For Alum. Handrails 4900-4901-4903 4904-4908-4909 4915-4917-4919 13010	For Aluminum Handrails 4901	For Aluminum Handrails 4903-4905	For Aluminum Handrails 4903-4905	T CORNER CAP
For Bronze Handrails 2817-2819 2852-2854 2855-2857 2859	For Bronze Handrails 2812-2813-2816-2817 2819-2845-2846-2847 2848-2850-2852-2853	For Bronze Handrails 2812-2813-2816-2817 2817-2819-2845 2847-2848-2850 2852-2853-2854 2855-2857-2859	For Bronze Handrails 2812-2847	For Bronze Handrails 4908	For Bronze Handrails 2816-2853 2854	For Bronze Handrails 2812-2813-2845 2847-2848-2850
All J. G. Braun Co. terminals are inspected for fit and finish.						For Steel Handrails None Available

J.G.Braun Company

Skokie, Ill.

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New York, N. Y.

Nos. 1247 and 1248 End Finial Bases are available with 3/16" hole or without hole. Specify when ordering

BALUSTER COLLARS

Measurements Approximate

STOCKED IN
CAST IRON • MALLEABLE IRON • PRESSED STEEL • SATIN POLISHED ALUMINUM
SATIN POLISHED ARCHITECTURAL BRONZE
Specify Material When Ordering
Arch. Bronze Collars 85 — 3/5 Alloy • Aluminum Collars F 214 Alloy



Type J
Cast Iron

HOLE WIDTH HEIGHT
1/2" Rd. 1 1/4" 1 1/8"
3/4" 1 1/8" 1 1/8"
3/4" 1 1/8" 1 1/8"



Type H
Cast Iron

HOLE WIDTH HEIGHT
1/2" Sq. 1 1/4" 1 1/8"
3/4" 1 1/4" 1 1/8"
3/4" 1 1/4" 1 1/8"



Type N
Cast Iron
Aluminum-Bronze

HOLE WIDTH HEIGHT
1/2" Sq. 1 1/8" 1 1/8"
3/4" 1 1/8" 1 1/8"
3/4" 1 1/8" 1 1/8"



Type W
Aluminum-Bronze
HOLE WIDTH HEIGHT
1/2" Sq. 1/8" 1 1/8"
3/4" 1 1/8" 1 1/8"
3/4" 1 1/8" 1 1/8"



Type D
Cast Iron

HOLE WIDTH HEIGHT
1/2" Rd. 1 1/4" 3/4"
3/4" 1 1/8" 1 1/8"
3/4" 1 1/8" 1 1/8"



Type F
Cast Iron

HOLE WIDTH HEIGHT
1/2" Sq. 1 1/4" 1 1/8"
3/4" 1 1/4" 1 1/8"
3/4" 1 1/4" 1 1/8"



Type E
Cast Iron
Aluminum-Bronze

HOLE WIDTH HEIGHT
1/2" Sq. 1 1/8" 3/4"
3/4" 1 1/8" 3/4"
3/4" 1 1/8" 3/4"
1" 2" 1 1/4"



Type V
Aluminum-Bronze
HOLE WIDTH HEIGHT
1/2" Sq. 1 1/8" 3/4"
3/4" 1 1/8" 1"



Type T
PRESSED STEEL

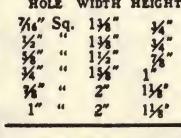
Hole Width Height
5/8" Sq. 1" 1 1/8"
3/4" 1" 1 1/8"



Type G
Cast Iron

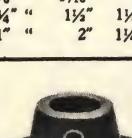
Collar G cast with thin edges
for change of pitch by grinding

HOLE WIDTH HEIGHT
1/2" Sq. 1 1/4" 1 1/4"
3/4" 1 1/4" 2 1/2"
3/4" 1 1/4" 2 1/2"



Type I
Malleable Iron
HOLE WIDTH HEIGHT

1" Sq. 1 1/4" 1 1/4"
1" 1" 2 1/2"
1" 1" 3" 1 1/4"



Type P
BALUSTER FLANGE
* Cast Iron
† Aluminum-Bronze

HOLE WIDTH HEIGHT
1/2" Rd. 1 1/4" 3/4"
1/2" Rd. 1 1/4" 3/4"

* With Set Screw
† without holes.



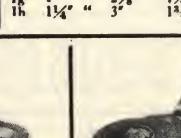
Type R
PRESSED STEEL

HOLE WIDTH HEIGHT
5/8" Sq. 1" 1 1/8"
3/4" 1" 1 1/8"



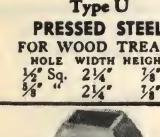
Type Y
Mall Iron-Aluminum-Bronze

HOLE HEIGHT BASE
3/4" Sq. 3/4" 1 1/4" x 2 1/4"
1/2" Sq. 3/4" 1 1/4" x 2 1/4"
3/4" " 3/4" 1 1/4" x 2 1/4"
3/4" " 3/4" 1 1/4" x 2 1/4"
1" " 1 1/4" 1 1/4" x 2 1/4"
1" " 1 1/4" 1 1/4" x 3"



Type Q
Cast Iron
HOLE HEIGHT BASE

1/2" 3/4" 1 1/4" x 3 1/8"
1" 1 1/4" 2 1/8" x 4 1/4"



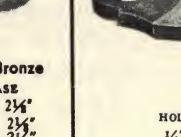
Type I
PRESSED STEEL

HOLE WIDTH HEIGHT
1a 1/2" Sq. 1 1/4" 1"
1b 5/8" " 1 1/4" 1"
1c 1 1/4" " 1 1/4" 1 1/4"
1d 3/4" " 1 1/4" 1 1/4"



Type Z
Cast Iron-Aluminum-Bronze

HOLE HEIGHT BASE
1/2" Sq. 1 1/4" 1" x 2 1/4"
1/2" Sq. 1 1/4" 1" x 2 1/4"
5/8" Sq. 1 1/4" 1 1/4" x 2 1/4"
3/4" Sq. 2" 1 1/4" x 3 1/4"
7/8" Sq. 2 1/4" 1 1/4" x 3 1/4"
1" Sq. 2 1/4" 1 1/4" x 3 1/4"



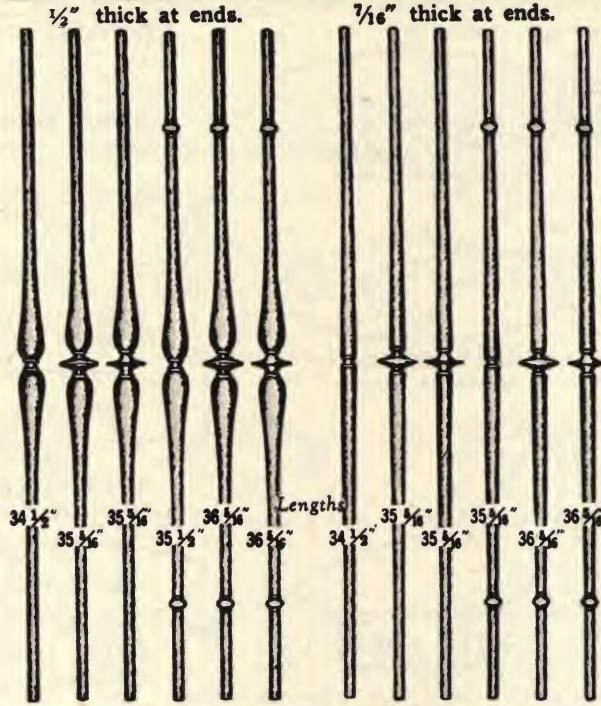
POST FLANGES No. 100
Malleable Iron-Aluminum-Bronze

HOLE Width Height
#100-1" 2 1/8" 1 1/2"
#100-1 1/4" 3 3/8" 2"
#100-1 1/2" 3 3/8" 2"
#100-2" 4 3/8" 2 3/8"
#100-3" 5 3/8" 2 1/2"

† Cast Iron-Aluminum-Bronze

FORGED BALUSTER SPINDLES

1/2" thick at ends.



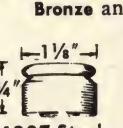
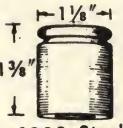
1/16" thick at ends.

ALL STEEL
4230 4231 4232 4236 4237 4238 4250 4251 4252 4256 4257 4258

STEEL SPINDLES WITH BRONZE CENTERS AND BUTTONS
4270 4271 4272 4276 4277 4278 4290 4291 4292 4296 4297 4298

STEEL SPINDLES WITH ALUMINUM CENTERS AND BUTTONS
4262 4263 4264 4265 4266 4267 4242 4243 4244 4245 4246 4247

All Spindles are made sectional allowing for variations.
Bronze and Aluminum parts highly polished.



End Studs are 6" long to allow
for cutting to desired length.

Collars Nos. 4208 4219 and 4226
may be cut to pitch when used
for closed stringers.

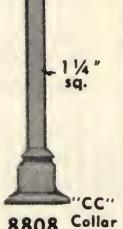
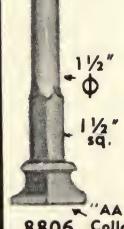
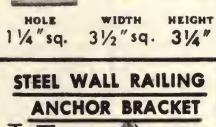
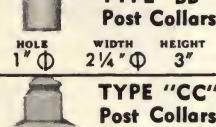
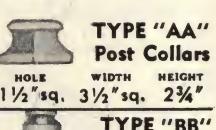
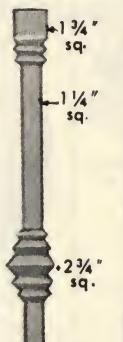
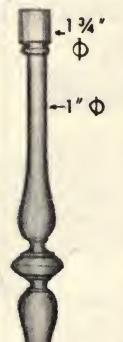
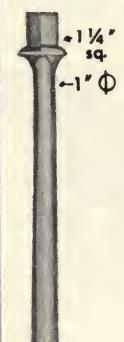
RAILING STARTING POSTS

Smooth finish or
handforged effect

ALUMINUM, CAST IRON and BRONZE

Specify Finish
Desired
When Ordering

Overall Length 36" with loose base collars



Measurements
Approximate

NOTE:

When Ordering, Specify Numbers
and Sizes of Materials Wanted.

J.G. Braun Company

Skokie, Ill.

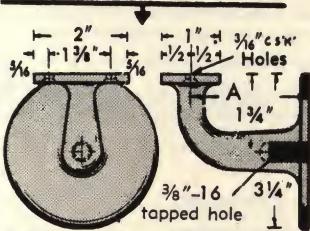
EST. 1887

New York, N. Y.

BRACKETS

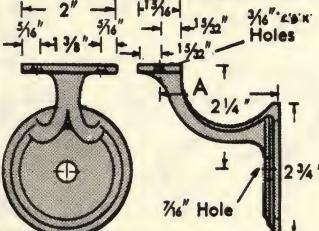
POLISHED ALUMINUM F214 Alloy • POLISHED ARCHITECTURAL BRONZE 85 3/5 Alloy • MALLEABLE IRON Measurements Approximate

Flat Top for Bar or Channel



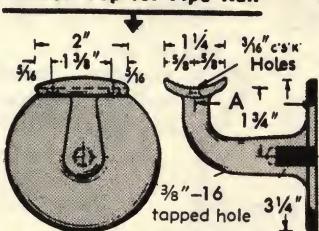
Dim. "A" 2 1/2"	Dim. "A" 3"	Material
No. 4587	No. 4499-3"	Aluminum
No. 4588	No. 4497-3"	Bronze
No. 4589	No. 4545-3"	Mall. Iron

ALUM. & BRONZE BRACKETS SATIN POLISH

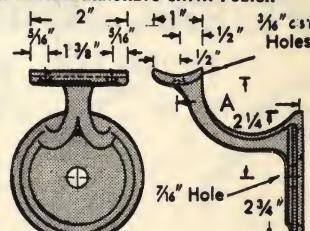


Dim. "A" 2 1/2"	Dim. "A" 3"	Material
No. 4580	No. 4495-3"	Aluminum
No. 4584	No. 4493-3"	Bronze
No. 4591	No. 4548-3"	Mall. Iron

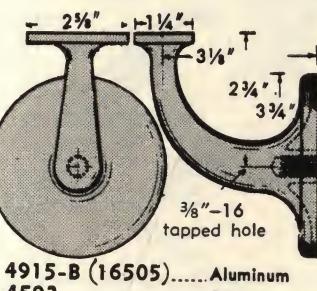
Curved Top for Pipe Rail



Dim. "A" 2 1/2"	Dim. "A" 3"	Material
No. 4593	No. 4498-3"	Aluminum
No. 4594	No. 4496-3"	Bronze
No. 4595	No. 4546-3"	Mall. Iron

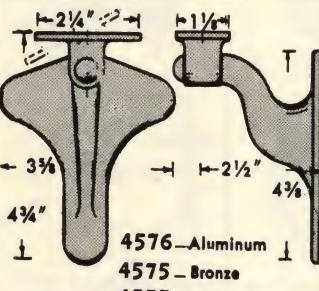


Dim. "A" 2 1/2"	Dim. "A" 3"	Material
No. 4579	No. 4494-3"	Aluminum
No. 4583	No. 4492-3"	Bronze
No. 4596	No. 4549-3"	Mall. Iron

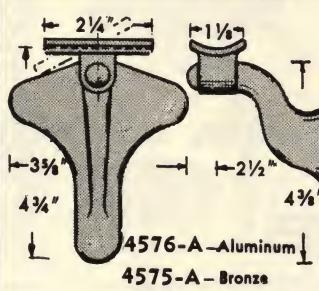


4915-B (16505) Aluminum

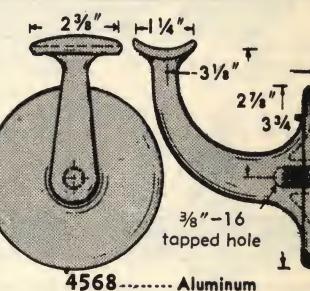
4592 Bronze



4576 Aluminum
4575 Bronze
4577 Mall. Iron

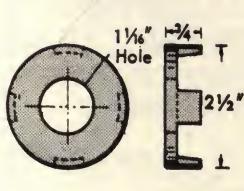


4576-A Aluminum
4575-A Bronze
4578 Mall. Iron

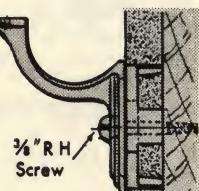


4568 Aluminum
4569 Bronze

WALL BRACKET FILLER

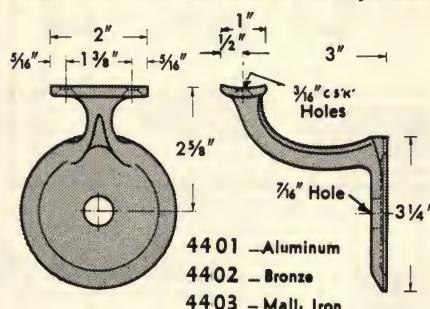


4405
CAST IRON
WALL BRACKET FILLER

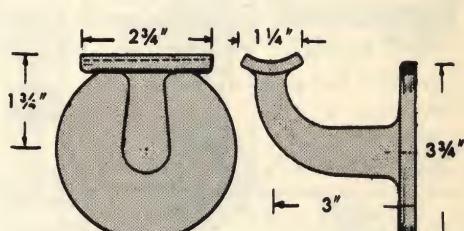


SKETCH SHOWING
FASTENING OF
WALL BRACKET
USING FILLER No. 4405

Top for Bar or Channel or for Pipe Rail



4401 Aluminum
4402 Bronze
4403 Mall. Iron



4582 ALUMINUM

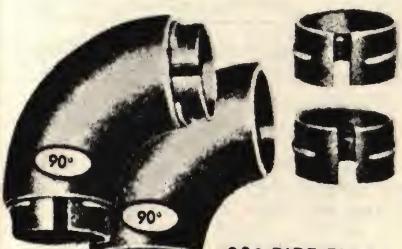
STEEL WELDING FITTINGS

for Pipe Rails — I. P. S. Sizes 1" 1 1/4" 1 1/2" 2"

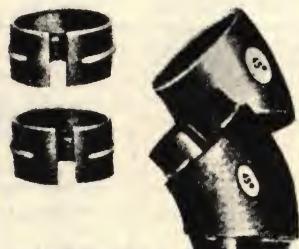
Connectors are snap-in type with shoulder to hold pipe and ell in alignment, preparing connection for welding. Connectors slip easily and quickly into ell with spring fit.

PIPE CONNECTORS hold pipe and fitting connections in perfect position, ready for welding.

ALSO AVAILABLE IN ALUMINUM-BRONZE-STAINLESS



90° PIPE ELLS
and
CONNECTORS



45° PIPE ELLS
and
CONNECTORS

FOR
ALL
PIPE
RAILING
JOBS

FINIALS

NEW DESIGN MODERN FLAME



POLISHED BRONZE

No. 4554 Square Base
No. 4556 Round Base

Height 3" Base 1"

No. 4555 Square Base
No. 4559 Round Base

Height 4" Base 1 1/4"

With 3/8" - 16 Tapped Hole In Base unless otherwise specified

URN TYPE

SQUARE POLISHED BRONZE	ROUND	BASE	
A	B	C	
No. 4510	1"	3"	1 1/4"
No. 4511	1 1/4"	4"	1 1/2"
No. 4512	1 1/2"	5"	1 3/4"
No. 4519	1 1/4"	6"	2 1/4"

POLISHED ALUMINUM

POLISHED ALUMINUM	STEEL	BASE	
A	B	C	
No. 4570	1"	3"	1 1/4"
No. 4571	1 1/4"	4"	1 1/2"
No. 4572	1 1/2"	5"	1 3/4"
No. 4573	1 1/4"	6"	2 1/4"

POLISHED ALUMINUM	STEEL	BASE	
A	B	C	
No. 4513	1"	3"	1 1/4"
No. 4514	1 1/4"	4"	1 1/2"
No. 4515	1 1/2"	5"	1 3/4"
* No. 4539	1 1/4"	6"	2 1/4"

* Malleable Iron, not Tapped

BALL TYPE

SQUARE POLISHED BRONZE	ROUND	BASE	
A	B	C	
No. 4500	1"	1 1/4"	1"
No. 4501	1 1/4"	2 1/4"	1 1/2"
No. 4502	1 1/2"	2 1/2"	1 3/4"
No. 4551	1 1/4"	3 1/4"	2"

POLISHED ALUMINUM

POLISHED ALUMINUM	STEEL	BASE	
A	B	C	
No. 4560	1"	1 1/4"	1"
No. 4561	1 1/4"	2 1/4"	1 1/2"
No. 4562	1 1/2"	2 1/2"	1 3/4"
No. 4564	1 1/4"	3 1/4"	2"

POLISHED ALUMINUM	STEEL	BASE	
A	B	C	
No. 4503	1"	1 1/4"	1"
No. 4504	1 1/4"	2 1/4"	1 1/2"
No. 4505	1 1/2"	2 1/2"	1 3/4"
* No. 4540	1 1/4"	2 1/2"	1 3/4"
* No. 4541	1 1/4"	3 1/4"	2"

* Malleable Iron, not Tapped

PIPE RAILING SPLICE LOCK



3/8" dia. Allen Screw

Floor Flanges With Holes

Wall Flanges With Set Screw

J. G. Braun Company

PIPE RAIL FITTINGS

FLUSH TYPE

DESIGNED FOR 1 1/4" & 1 1/2" I.P.S. STANDARD PIPE SIZES.

BRAUN "11000 SERIES" FITTINGS ARE IDEAL FOR QUICK AND EASY INSTALLATION — A STURDY AND ATTRACTIVE RAIL AT A REASONABLE COST.

STOCKED IN:

- Aluminum — F214 Alloy — Satin Finish
- Architectural Bronze — 85 3/5 Alloy — Satin Finish
- Cast Iron

Specify Material When Ordering

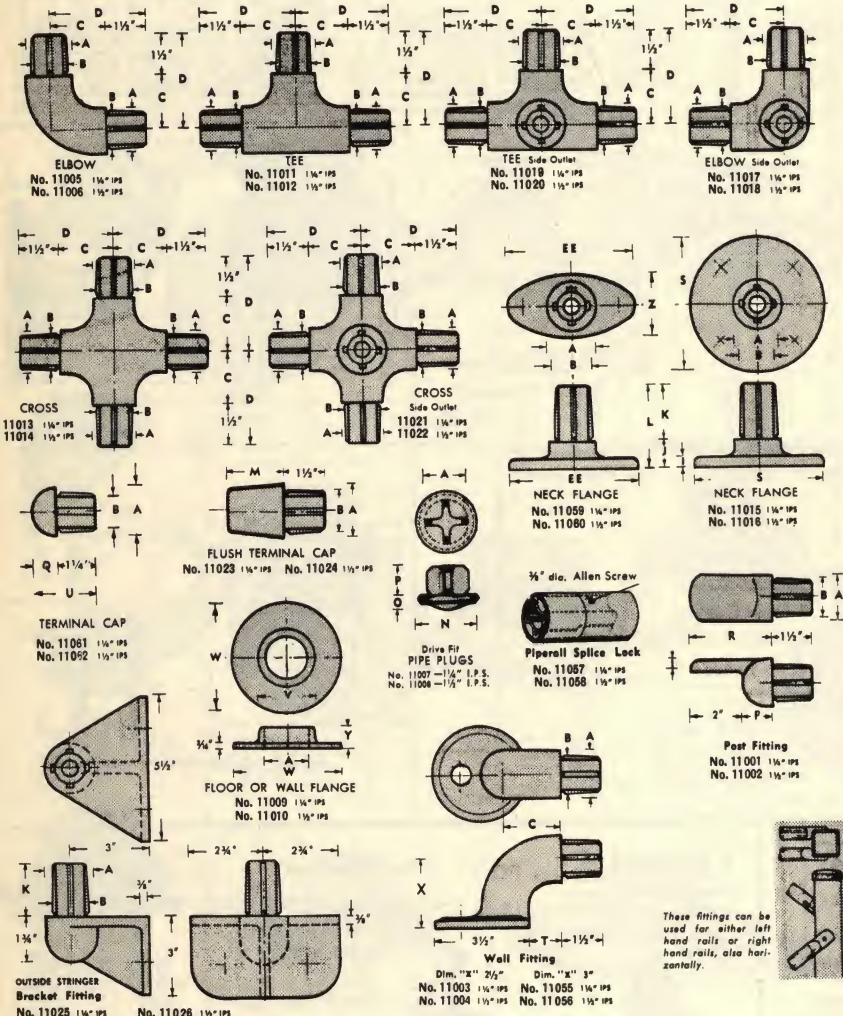
FOR SELECTION OF BRACKETS SEE PAGE 9

Pipe and Flush Type Fittings are fastened together by means of pins, welding or Self Tapping Screws

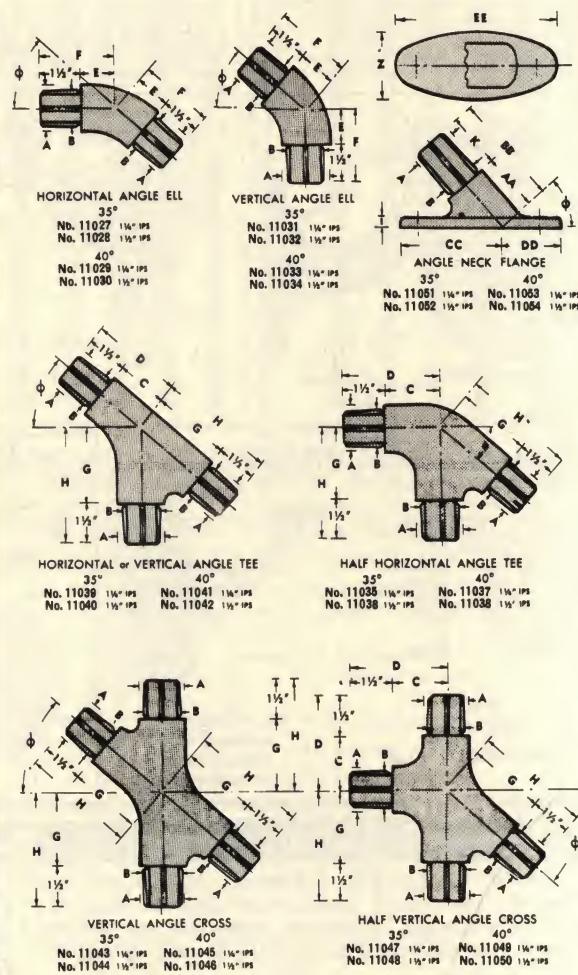
All flanges furnished without anchorage holes, except No's. 11003, 11004, 11055, 11056

Measurements Approximate

90° FITTINGS



35° AND 40° FITTINGS



PIPE SIZE I.P.S.	FITTING ANGLE (ϕ)	DIMENSIONS—INCHES																												
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	Y	Z	AA	BB	CC	DD
1 1/4"	90°	12 1/2	1 1/8	2	3 1/2					3/8	1	2 1/8	3 1/8	1 3/4	1 1/8	1/2	1	5 3/4	3	4 5/8	1 1/4	2 3/4	2 1/8	3 7/8	1 3/16	2 1/2			6	
	40°	12 1/2	1 1/8	2	3 1/2	1 1/4	2 3/4	2 3/4	4 1/4	3/8		2 1/8													2 1/2	2 1/8	4 3/16	3 3/4	2 1/4	6
	35°	12 1/2	1 1/8	2	3 1/2	1 1/4	2 3/4	2 3/4	4 1/4	3/8		2 1/8													2 1/2	1 1/8	3 1/16	3 3/4	2 1/4	6
1 1/2"	90°	12 1/2	1 1/8	2 1/4	3 3/4					7/16	1 1/8	2 7/8	3 1/2	2	2 1/8	9/16	1 1/8	6 1/64	3 1/8	5 1/8	1 1/2	2 1/8	2 1/8	4 3/16	7/8	2 1/4			6 1/2	
	40°	12 1/2	1 1/8	2 1/4	3 3/4	1 1/2	3	3	4 1/2	7/16		2 7/8													2 1/4	2 3/16	4 3/8	4	2 1/2	6 1/2
	35°	12 1/2	1 1/8	2 1/4	3 3/4	1 1/2	3	3	4 1/2	7/16		2 7/8													2 1/4	1 1/16	4 3/8	4	2 1/2	6 1/2

ALUMINUM
I.P.S. STANDARD
PIPE20 Ft. Length
Plain Ends
(Not Polished)Size Outside Inside Wall Weight
I.P.S. Diameter Diameter Thickness Per Foot1 1/4" 1.660" 1.380" .140" .785 lbs
1 1/2" 1.900" 1.610" .145" .939 lbs

ALUMINUM

6063-T832 Alloy and Temper

Size Outside Inside Wall Weight
I.P.S. Diameter Diameter Thickness Per Foot1 1/4" 1.660" 1.380" .140" .785 lbs
1 1/2" 1.900" 1.610" .145" .939 lbs

J.G. Braun & Company

I.P.S. HANDRAIL PIPE

20 Ft. Length
Plain Ends
(Not Polished)

RICH LOW BRASS

(Matches color of Extruded Bronze)

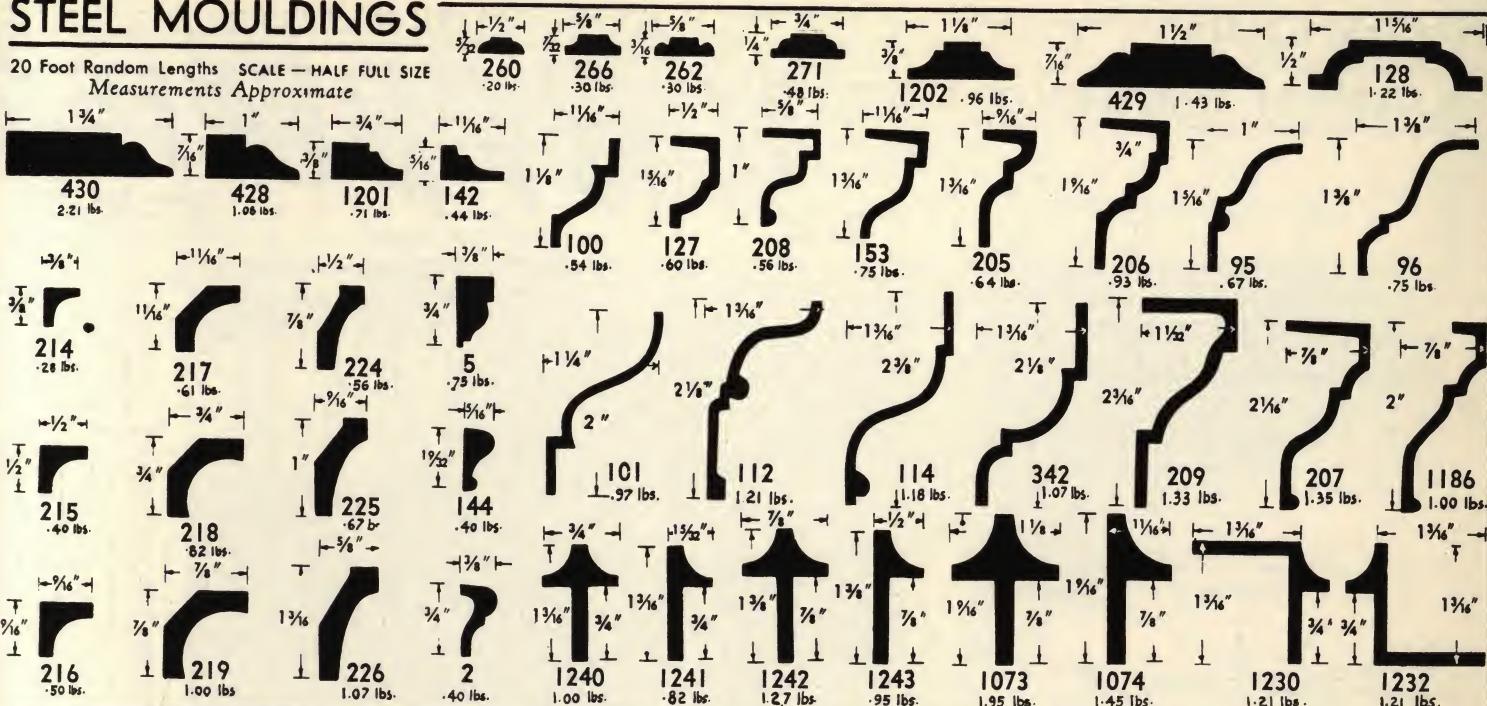
Spec.— Copper 85% Zinc 15%

Size Mill Finish Inside Wall Weight
I.P.S. O. D. Diameter Thickness Per Foot1 1/4" 1.660 1.368 .146" 2.63 lbs
1 1/2" 1.900 1.600 .150" 3.13 lbs

Weights and Measurements Approximate

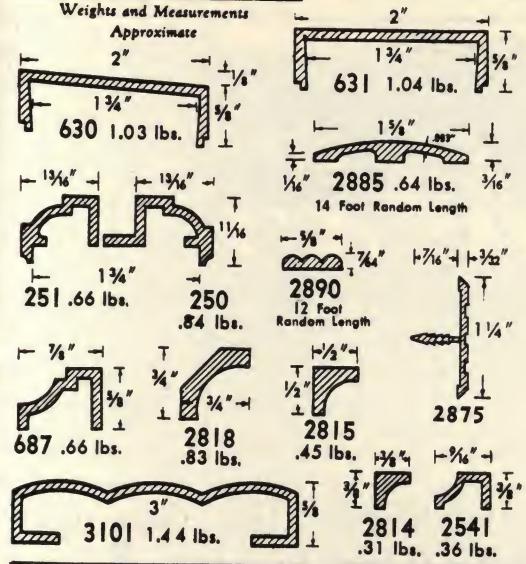
STEEL MOULDINGS

20 Foot Random Lengths SCALE - HALF FULL SIZE Measurements Approximate



EXTRUDED ARCHITECTURAL BRONZE MOULDINGS BARS-SHAPES

Weights and Measurements Approximate



RECTANGULAR BARS

Sharp Corners

A	B	Weight Per Foot	A	B	Weight Per Foot
1/8" x 1/4"	.135 lbs.	1/4" x 1 1/2"	1.380 lbs.		
1/8" x 1/4"	.230 lbs.	1/4" x 2"	1.840 lbs.		
1/8" x 5/8"	.290 lbs.	3/4" x 2 1/4"	2.300 lbs.		
1/8" x 3/4"	.350 lbs.	1/4" x 3"	2.780 lbs.		
1/8" x 1"	.460 lbs.	1/4" x 4"	3.650 lbs.		
1/8" x 1 1/2"	.580 lbs.	3/8" x 1/2"	.661 lbs.		
1/8" x 1 1/2"	.690 lbs.	3/8" x 3/4"	1.03 lbs.		
1/8" x 2"	.920 lbs.	3/8" x 1"	1.38 lbs.		
1/8" x 3"	1.380 lbs.	3/8" x 1 1/2"	1.73 lbs.		
3/8" x 1/2"	.345 lbs.	3/8" x 1 1/2"	2.07 lbs.		
3/8" x 3/4"	.518 lbs.	3/8" x 2"	2.76 lbs.		
3/8" x 1"	.681 lbs.	3/8" x 2 1/4"	3.42 lbs.		
3/8" x 1 1/4"	.860 lbs.	3/8" x 3"	4.11 lbs.		
3/8" x 1 1/4"	1.036 lbs.	1/2" x 3/4"	1.28 lbs.		
3/8" x 2"	1.382 lbs.	1/2" x 1"	1.84 lbs.		
3/8" x 2 1/4"	1.727 lbs.	1/2" x 1 1/4"	2.30 lbs.		
3/8" x 3"	2.075 lbs.	1/2" x 1 1/4"	2.78 lbs.		
1/4" x 1/4"	.461 lbs.	1/2" x 2"	3.08 lbs.		
1/4" x 5/8"	.580 lbs.	1/2" x 2 1/4"	4.60 lbs.		
1/4" x 1"	.920 lbs.	1/2" x 3"	5.52 lbs.		
1/4" x 1 1/4"	1.150 lbs.	3/4" x 1"	2.78 lbs.		
		3/4" x 1 1/2"	4.14 lbs.		

ROUND RODS

Size	Weight Per Foot
3/8"	.407 lbs.
1/2"	.723 lbs.
5/8"	1.130 lbs.
3/4"	1.828 lbs.
1"	2.883 lbs.
1 1/4"	4.521 lbs.

SQUARE BARS

Size	Weight Per Foot
1/8" x 1/8"	.065 lbs.
3/16" x 3/16"	.065 lbs.
1/4" x 1/4"	.065 lbs.
5/16" x 5/16"	.065 lbs.
3/8" x 3/8"	.065 lbs.
1/2" x 1/2"	.065 lbs.
5/8" x 5/8"	.065 lbs.
3/4" x 3/4"	.065 lbs.
1" x 1"	.065 lbs.
1 1/4" x 1 1/4"	.065 lbs.
1 1/2" x 1 1/2"	.065 lbs.
1 3/4" x 1 3/4"	.065 lbs.
2" x 2"	.065 lbs.
2 1/2" x 2 1/2"	.065 lbs.
3" x 3"	.065 lbs.

STEEL ANGLES and CHANNELS

ANGLES

Equal, Square Root HOT ROLLED

NO.	SIZE	WEIGHT
972	1/2" x 1/2" x 1/8"	.344
976	3/8" x 3/8" x 1/8"	.474
979	1/4" x 1/4" x 1/8"	.599
987	1" x 1" x 1/8"	.787
992	1 1/4" x 1 1/4" x 1/8"	.992
1157	1 1/2" x 1 1/2" x 1/8"	1.225

CHANNELS

Equal, Square Root HOT ROLLED

NO.	SIZE	WEIGHT
1061	1/2" x 1/2" x 1/4"	.382
1082	3/8" x 3/8" x 1/2"	.720
1084	1" x 1" x 1/2"	1.200
1087	1 1/4" x 1 1/4" x 1/2"	1.477
1185	1 1/2" x 1 1/2" x 1/2"	1.70
1190	2" x 2" x 1/2"	2.888

20-Foot Lengths

Rounded Outside corners

CHANNELS

HOT ROLLED

NO.	SIZE	WEIGHT
1089	2" x 1" x 1/8"	1.45

Cold Rolled

1"	x	7/16"	x	120"
1 1/4"	x	9/16"	x	1/8"
1 1/2"	x	1/2"	x	1/8"

BRONZE CHANNELS UNEQUAL

Square Root Square Edge 20 Ft. Random Lengths

BRONZE CHANNELS EQUAL

Square Root Square Edge 16 Foot Random Lengths

BRONZE ANGLES EQUAL Square Root Square Edge 16 Foot Random Lengths

BRONZE TEES

Square Root Square Edge 16 Foot Random Lengths

BRONZE TEES

Square Root Square Edge 16 Foot Random Lengths

BRONZE ANGLES UNEQUAL

Square Root Square Edge 16 Foot Random Lengths

Number	A	B	C	Weight Per Foot
2888	3/8" x 3/8" x 1/8"	.57 lbs.		
2828	1/2" x 1/2" x 3/8"	.45 lbs.		
2821	1/2" x 1" x 1/8"	.81 lbs.		
2840	1/2" x 1 1/4" x 1/8"	.91 lbs.		
2841	1/2" x 1 1/2" x 1/8"	1.02 lbs.		
2822	1/2" x 1 1/4" x 1/8"	1.02 lbs.		
2823	1/2" x 1 1/2" x 1/8"	1.15 lbs.		
2824	1/2" x 2" x 1/8"	1.38 lbs.		

Number	A	B	C	Weight Per Foot
2826	3/4" x 3/4" x 1/8"	.83 lbs.		
2827	1" x 1" x 1/8"	.86 lbs.		
2878	1 1/2" x 1 1/2" x 1/8"	1.32 lbs.		
2830	2" x 2" x 1/8"	1.33 lbs.		

Number	A	B	C	Weight Per Foot
2829	1/2" x 1" x 1/8"	.85 lbs.		
2877	3/4" x 1" x 1/8"	.75 lbs.		
2838	3/4" x 1 1/4" x 1/8"	.87 lbs.		
2839	1" x 2" x 1/8"	1.33 lbs.		

Rich Low Brass HANDRAIL PIPE

Spec. - Copper 85% Zinc 15% (Matches color of Extruded Bronze)

I.P.S.	Mill Finish	O.D.	WALL	Weight Per Foot
1 1/4"	1.66"	.146	.263 lbs.	
1 1/2"	1.90"	.150	.313 lbs.	

20 Ft. Length, Plain Ends

MUNTZ METAL SHEETS COLD ROLLED

Matches color of Extruded Bronze

B. & B. Gauge or Inch Thickness	Size of Sheet	Total Weight Per Sheet - lbs.
26 Gauge	24" x 48"	6 lbs.
24 Gauge	"	7 lbs.
22 Gauge	"	9 lbs.
20 Gauge	"	11 lbs.
14 Gauge	"	22 lbs.
3/2"	"	33 lbs.
1/2"	"	44 lbs.
3/8"	"	66 lbs.
1/4"	"	88 lbs.
3/16"	"	131 lbs.
14 Gauge	30" x 60"	35 lbs.
3/8"	"	103 lbs.
20 Gauge	30" x 96"	28 lbs.
14 Gauge	"	56 lbs.
1/8"	"	110 lbs.
20 Gauge	36" x 96"	34 lbs.
14 Gauge	"	53 lbs.
12 Gauge	"	67 lbs.
1/4"	"	85 lbs.
18 Gauge	36" x 120"	67 lbs.

J. G. Braun & Company

Skokie, Ill.

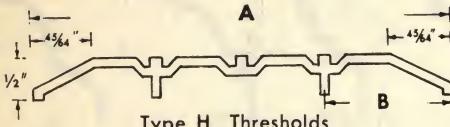
EST. 1887

New York, N. Y.

THRESHOLDS

Can be furnished in cut to size lengths, drilled and countersunk.

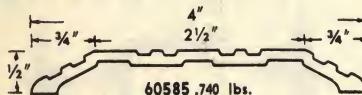
ALUMINUM THRESHOLDS



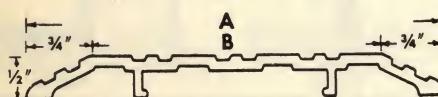
Type H Thresholds
suitable for floor mounted door checks

SECTION NUMBER	DIMENSIONS—INCHES		EST WT PER FT, LBS
	A	B	
*84782	4	2.000	.630
84783	5	1.450	.804
84784	6	2.000	.988
84785	7	2.293	1.127

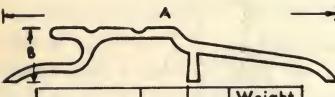
* Single Leg in Center



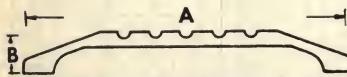
60585 .740 lbs.



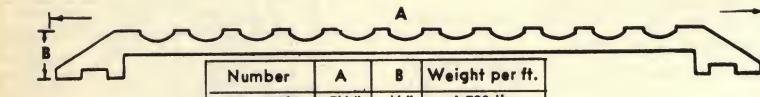
Number	A	B	Grooves	Weight per foot
60586	5"	3 1/2"	10	1.014 lbs.
60587	6"	4 1/2"	12	1.183 lbs.
60588	7"	5 1/2"	14	1.352 lbs.



Number	A	B	Weight per foot
4805 or 10353	3 1/8"	9/16"	.595 lb.
P3704	3 1/2"	9/16"	.577 lb.
38649	4 1/4"	9/16"	.689 lb.
P3798	4 1/4"	9/16"	.701 lb.

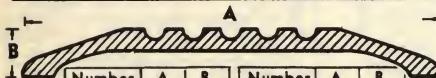


Number	A	B	Weight per foot	Number Grooves
P3650	3"	1/2"	.658 lb.	5
38651	3"	1/2"	.721 lb.	3
4704	4"	9/16"	.963 lb.	5
P3651	4"	1/2"	.787 lb.	5
19047	4"	1/2"	.829 lb.	5
4705	5"	9/16"	1.147 lb.	6
P3662	5"	1/2"	1.002 lb.	5
19048	5"	1/2"	1.102 lb.	6
4706	6"	9/16"	1.291 lb.	7
P3663	6"	1/2"	1.189 lb.	5
19049	6"	1/2"	1.226 lb.	7
26638	7"	1/2"	1.777 lb.	9



Number	A	B	Weight per ft.
4807 or 7032	7 1/2"	1/2"	1.798 lb.
7883	7 1/2"	1/2"	1.769 lb.

ARCHITECTURAL BRONZE THRESHOLDS

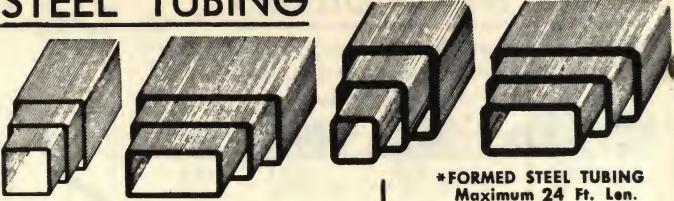


Number	A	B	Number	A	B
2883	3"	9/16"	.2805	5"	1/2"
2804	4"	1/2"	2806	6"	1/2"
2804 1/2"	4 1/2"	1/2"	* 2807	7"	9/16"

* 20 Fr. Length

Spec.—Copper 58%, Zinc 38 3/4%, Lead 3 1/4%

STEEL TUBING



*FORMED STEEL TUBING
Maximum 24 Ft. Len.
Special Sizes on Request

Square

2 1/2" x 2 1/2" x 3/8"	5" x 5" x 3/8"
3" x 3" x 3/8"	6" x 6" x 3/8"
3" x 3" x 1/4"	6" x 6" x 1/4"
3 1/2" x 3 1/2" x 3/8"	7" x 7" x 3/8"
4" x 4" x 3/8"	7" x 7" x 1/4"
4" x 4" x 1/4"	7" x 7" x 3/16"
5" x 5" x 3/8"	8" x 8" x 3/8"
5" x 5" x 1/4"	8" x 8" x 1/4"

Rectangular

2" x 3" x 3/8"	4" x 5" x 3/8"
2" x 3" x 1/4"	4" x 5" x 1/4"
2" x 4" x 3/8"	4" x 6" x 3/8"
2" x 4" x 1/4"	4" x 6" x 1/4"
2" x 5" x 3/8"	4" x 7" x 3/8"
2" x 5" x 1/4"	4" x 7" x 1/4"
3" x 4" x 3/8"	5" x 6" x 3/8"
3" x 4" x 1/4"	5" x 6" x 1/4"
3" x 5" x 3/8"	5" x 7" x 3/8"
3" x 5" x 1/4"	5" x 7" x 1/4"
3" x 6" x 3/8"	5" x 8" x 3/8"
3" x 6" x 1/4"	5" x 8" x 1/4"
3" x 7" x 3/8"	6" x 7" x 3/8"
3" x 7" x 1/4"	6" x 7" x 1/4"
3" x 8" x 3/8"	6" x 8" x 3/8"
3" x 8" x 1/4"	6" x 8" x 1/4"

MECHANICAL STEEL TUBING

Electrically Welded

HOT ROLLED PICKLED AND OILED

20 Ft. Lengths

Square

3/8" x 3/8" x 18	1 1/4" x 1 1/4" x 16
1/2" x 1/2" x 16	1 1/4" x 1 1/4" x 14
5/8" x 5/8" x 16	1 1/2" x 1 1/2" x 16
3/4" x 3/4" x 16	1 1/2" x 1 1/2" x 14
7/8" x 7/8" x 16	1 3/4" x 1 3/4" x 14
1" x 1" x 16	2" x 2" x 14
1" x 1" x 12	2 1/2" x 2 1/2" x 14
1" x 1" x 11	3" x 3" x 14

Rectangular

3/8" x 1" x 16	1 1/4" x 2" x 14
1/2" x 1" x 16	1 1/4" x 2 1/2" x 14
5/8" x 2" x 14	1 1/4" x 3 1/2" x 14
1/2" x 1 1/2" x 16	1 1/2" x 2" x 14
3/4" x 1 1/2" x 16	1 1/2" x 2 1/2" x 14
1" x 1 1/2" x 14	1 1/2" x 3" x 14
1" x 2" x 14	1 1/2" x 3 1/2" x 16
1" x 2 1/2" x 14	1 1/2" x 3 1/2" x 14
1" x 3" x 14	2" x 3" x 14
1" x 3 1/2" x 14	2" x 4" x 14

Rectangular

+1" x 1" x (.073) x 15Ga	+1 1/2" x 2 1/2" x .145"
1" x 1" x 120"	2" x 3" x .180"
+1 1/4" x 1 1/4" x .135"	2" x 4" x .180"
+1 1/2" x 1 1/2" x .140"	3" x 4" x .180"
+2" x 2" x .145"	2" x 5" x .180"
+2 1/2" x 2 1/2" x .188"	3" x 5" x .180"
3" x 3" x .180"	3" x 6" x .180"
3 1/2" x 3 1/2" x .180"	4" x 6" x .180"
4" x 4" x .180"	4" x 7" x .180"
4" x 4" x .250"	+ Not Rolled Only

Special Tubing

for Box Stringers on Stairs

10" x 2" x 3/16"

12" x 2" x 3/16"

* This material is formed from hot rolled steel plate, fully welded with the seams ground smooth and can be furnished in 2 foot to 24 foot lengths or cut to size up to 24 feet at no extra cost.

POST CAPS



TYPE A CAST IRON

Square

1" x 1"	2" x 2"
1 1/4" x 1 1/4"	2 1/2" x 2 1/2"
1 1/2" x 1 1/2"	3" x 3"
2" x 2"	3" x 4"
2 1/2" x 2 1/2"	3" x 5"
3" x 3"	3" x 6"
3 1/2" x 3 1/2"	3 1/2" x 8"
4" x 4"	4" x 6"
4 1/2" x 4 1/2"	4 1/2" x 7 1/2"

TYPE B CAST IRON

Polished Aluminum

3" x 3"	4" x 4"
3 1/2" x 3 1/2"	3 1/2" x 8"

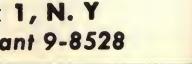
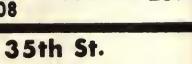
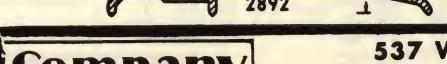
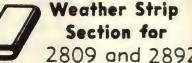
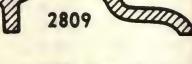
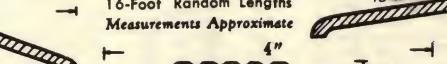
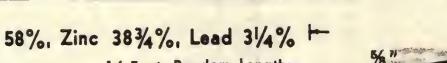
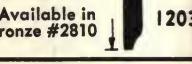
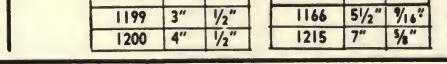
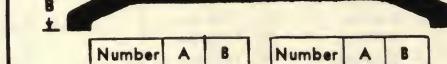
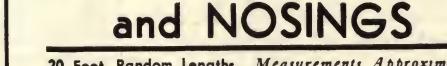
TYPE C CAST IRON

Polished Bronze

3" x 3"	4" x 4"
3 1/2" x 3 1/2"	3 1/2" x 8"

STEEL THRESHOLDS and NOSINGS

20 Foot Random Lengths Measurements Approximate



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